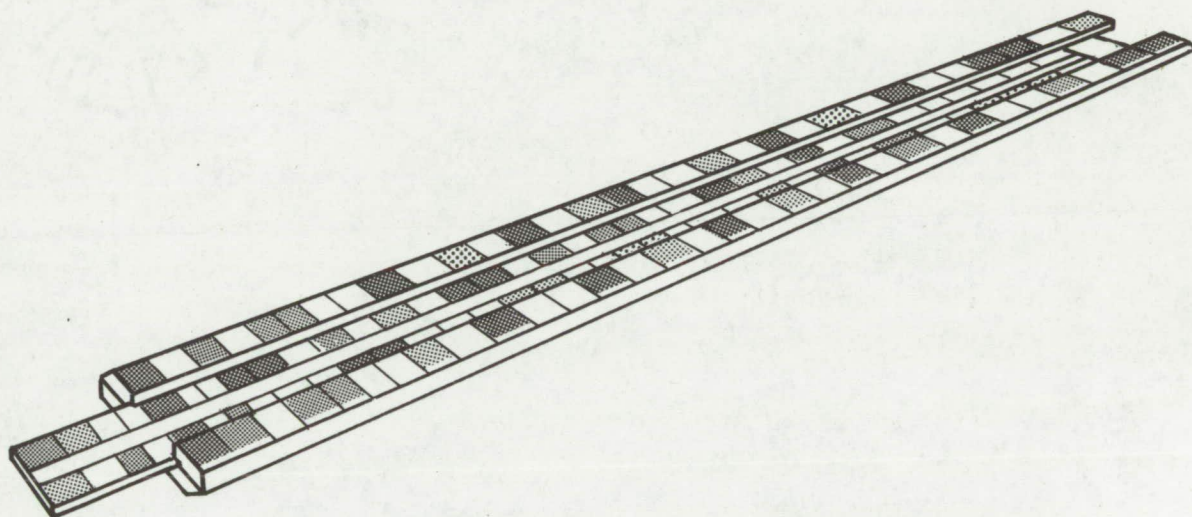


# NASA TECH BRIEF



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## Slide Rule-Type Color Chart Predicts Reproduced Photo Tones



### The problem:

In the production of briefing charts that are photographed in black and white, it would be advantageous to be able to determine the final reproduced gray tones in order to achieve a pleasing and effective contrast as between superior and subordinate chart increments.

### The solution:

A slide rule-type color chart that shows both the color by drafting paint manufacturer's name and mixture number, and by the gray tone resulting from black and white photographic reproduction.

### How it's done:

The selection of colors necessary to produce sufficiently contrasting gray tones is made quickly and easily by moving the rule slide and visually comparing

the various gray tones as they register adjacently. As the desired contrast is determined, the appropriate color identification by manufacturers' names and hues is read from the rule. The names and corresponding hues of the various manufacturers appear on the rule above and below the various gray tones.

### Notes:

1. This rule might be useful for commercial artists to assist in selecting specific colors to produce desired photographic tone contrast.
2. Inquiries concerning this innovation may be made to:

Technology Utilization Officer  
Manned Spacecraft Center  
Houston, Texas 77058  
Reference: B66-10680

(continued overleaf)

**Patent status:**

No patent action is contemplated by NASA.

Source: J. D. Griffin  
of North American Aviation, Inc.  
under contract to  
Manned Spacecraft Center  
(MSC-1227)